

Converting Colors

$Y_{xy}(23.3367, 0.2043, 0.1602)$

Have a look what the booklet for
Yxy(23.3367, 0.2043, 0.1602)
contains.

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Color

Yxy(23.3367, 0.2043, 0.1602)

Conversions

Conversions Part 1

Format	Color
Hex	6A78F9
RGB	106, 120, 249
RGB Percent	42%, 47%, 98%
CMY	0.5843, 0.5294, 0.0234
CMYK	0.57, 0.52, 0.00, 0.02
HSL	234°, 92%, 70%
HSV	234°, 57%, 98%
XYZ	29.7608, 23.3367, 92.5747
YIQ	130.5200, -49.7530, 37.1510

Conversions

Conversions Part 2

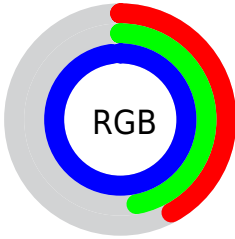
Format	Color
R _Y B	106, 119, 249
Decimal	6977785
CIE Lab	55.42, 31.69, -66.34
CIE LCh	55, 73.518, 295.536
Yxy	23.3367, 0.2043, 0.1602
Android (android.graphics.Color)	4285167865 (0xFF6A78F9)
YUV	130.5200, 58.4106, -21.5040
Hunter-Lab	48.3081, 25.4282, -79.8042

Details

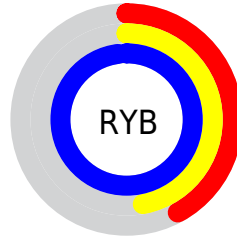
The Yxy color **23.3367, 0.2043, 0.1602** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **80.6119, 0.4023, 0.4543**, and the grayscale version is **22.3193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9405, 0.2507, 0.2312**, and **8.7318, 0.1721, 0.1212** is the 20% darker color. If you saturate the color by 10%, you get **17.2428, 0.1857, 0.1289**, and if you desaturate by 10%, it is **31.1421, 0.2247, 0.1933**.

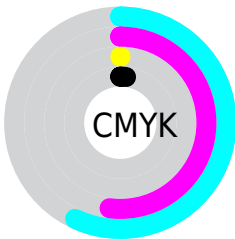
Distribution



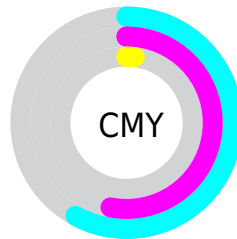
- Red (42%)
- Green (47%)
- Blue (98%)



- Red (42%)
- Yellow (47%)
- Blue (98%)



- Cyan (57%)
- Magenta (52%)
- Yellow (0%)
- Black (2%)




- Cyan (58%)
- Magenta (53%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3367, 0.2043, 0.1602 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.3367, 0.2043, 0.1602 by changing the saturation by 10% instead.


 23.3367, 0.2043,
0.1602


 23.3367, 0.2043,
0.1602

269.4497, 0.2615,
0.2407


 14.8423, 0.1901,
0.1425


 48.9456, 0.2252,
0.1879

 8.7088, 0.1723,
0.1214


 66.8289, 0.2331,
0.1988

 4.5517, 0.1497,
0.0965


 88.6107, 0.2397,
0.2082

 1.9867, 0.1209,
0.0677

114.6752, 0.2454,
0.2164

 0.5997, 0.0851,
0.0352

145.4070, 0.2503,
0.2236

 0.0000, 0.0325,
0.0000

181.1904, 0.2545,

 0.0000, 0.0000,

0.2300

0.0000

222.4098, 0.2582,
0.2357

■ 23.3367, 0.2043,
0.1602

■ 23.3367, 0.2043,
0.1602

■ 17.2428, 0.1857,
0.1289

■ 31.1421, 0.2247,
0.1933

■ 12.7288, 0.1702,
0.1019

■ 40.7729, 0.2454,
0.2263

■ 9.6471, 0.1590,
0.0810

■ 52.3357, 0.2655,
0.2576

■ 7.8178, 0.1526,
0.0676

■ 65.9282, 0.2842,
0.2863

■ 7.5098, 0.1515,
0.0652

■ 81.6414, 0.3012,
0.3119

99.4832, 0.3162,
0.3345

99.6208, 0.3162,
0.3347

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.3367, 0.1422, 0.1583



23.3367, 0.2043, 0.1602



23.3367, 0.3112, 0.1909

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.3367, 0.2043, 0.1602



23.3367, 0.5489, 0.3948



23.3367, 0.1778, 0.4230

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.3367, 0.2043, 0.1602



80.6119, 0.4023, 0.4543

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.3367, 0.2722, 0.5530



23.3367, 0.2043, 0.1602



23.3367, 0.4837, 0.4815

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.3367, 0.2043, 0.1602



23.3367, 0.5414, 0.3172



23.3367, 0.3827, 0.5577



23.3367, 0.1267, 0.2760

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.3367, 0.2043, 0.1602



23.3367, 0.4008, 0.2259



23.3367, 0.3827, 0.5577



23.3367, 0.2054, 0.4756

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.3374, 0.2043, 0.1602



70.2224, 0.2850, 0.2874



76.8100, 0.2469, 0.3461



14.3710, 0.2813, 0.2819



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3374, 0.2043, 0.1602



17.3003, 0.1828, 0.1241



24.9567, 0.2415, 0.1612



16.9162, 0.2979, 0.3069



4.1092, 0.1518, 0.0665



0.4691, 0.1556, 0.0800

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.8071, 0.4723, 0.3155



27.7088, 0.5251, 0.3152



79.9865, 0.3544, 0.4872



17.2528, 0.3279, 0.3267



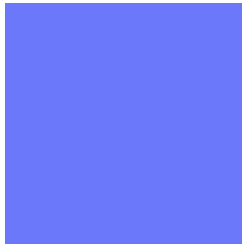
10.8257, 0.6290, 0.3239



1.0116, 0.6070, 0.3118

Previews

White Background



This preview shows how the Yxy color 23.3367, 0.2043, 0.1602 looks on a white background.

Color Contrast Check

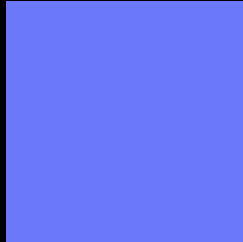
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.3367, 0.2043, 0.1602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

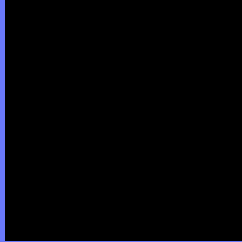
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3367, 0.2043, 0.1602

Background



This preview shows how black text looks on a background with the Yxy color 23.3367, 0.2043, 0.1602.



This preview shows how white text looks on a background with the Yxy color 23.3367, 0.2043, 0.1602.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.3367, 0.2043, 0.1602

Protanopia

23.5579, 0.1849, 0.1583

Deuteranopia

23.4424, 0.1831, 0.1793



Tritanopia

23.2404, 0.2388, 0.3062

Trichromacy



Original Color

23.3367, 0.2043, 0.1602

Protanomaly

23.2549, 0.1900, 0.1580

Deuteranomaly

22.7475, 0.1846, 0.1701

Tritanomaly

22.7959, 0.2232, 0.2386

Monochromacy



Original Color

23.3367, 0.2043, 0.1602

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3723, 0.2620, 0.2520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3367, 0.2043, 0.1602 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 120, 249)` looks like.

```
.text, #text, p{  
    color:rgb(106, 120, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 120, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 120, 249) }
```

Border

The CSS property to change the border of an element to Yxy 23.3367, 0.2043, 0.1602 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 120, 249) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(106, 120, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(106, 120, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 120, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 120, 249); box-shadow:4px 4px 4px 4px rgb(106, 120, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3367, 0.2043, 0.1602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 120, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106,  
120, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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